

Estimated Body Weight for Individual Flight and Time Zero Control Animals at Loading
Launch and Killing and Calculated Weight Gain During Flight

	Body Weight (gm)				
Animal #	At Loading	At Launch	At Killing	Total Gain During Flight (%)	Daily Gain (%/d)
Time Zero Control Animals					
43	60	62.8	62.8		
48	58	62.6	62.6		
49	65	69.5	69.5		
58	57	58.3	58.3		
59	56	60.3	60.3		
Mean	59.2 ± 1.6	62.7 ± 1.7	62.7 ± 1.7	NA	NA
Flight Animals					
42	58	61	94.7	56	10.1
44	56	59	86.5	47	8.5
45	60	64	91.5	44	7.8
46	61	65	96.8	49	8.9
47	60	64	101.0	58	10.5
53	57	60	90.2	50	9.2
54	58	61	95.9	57	10.4
55	61	65	96.6	49	8.8
Mean	58.9 ± 0.7	62.4 ± 0.8*	94.2 ± 1.5	51 ± 2	9.3 ± 0.3

*Calculated using time zero control data

Body weight of flight animals was measured at loading (launch-21h) and at the time of killing (landing+2h; launch+5.5d). Average data for change in weight for time zero control animals at loading and at launch+2h (also time of killing) were used to estimate the weight of the flight animals at launch so that weight gain for the period during flight could be calculated. Estimated body weight for each animal at launch was calculated from the change in weight for time zero controls between the time of loading and launch (+5.9%), and the actual weight of the flight animals on loading. The total gain during flight was calculated as the percent difference between the weight at killing and the estimated weight at launch and the daily gain was normalized to the total time period between launch and killing (5.5d).